

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead \*

DISTRICT 08 - Tally Lake \*

Expiration Date = April 1, 2016

V15.1

**TIMBER SALE AND  
TRANSACTION EVIDENCE  
APPRAISAL REPORT**

**Lost Pilot Timber Sale**

(SALE NAME)

Select Contract Type

**TIM # 16801**

**TYPE 6 - Contract Form 2400-6**

**UOM TON**

\_\_\_\_\_  
Prepared by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Prepared by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Reviewed by (Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Recommended by (Signature)

\_\_\_\_\_  
(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

\_\_\_\_\_  
Timber Sale Final Package Approved By:

\_\_\_\_\_  
(Date)

## TIMBER SALE INFORMATION

### TIM, Gate 3, Create Timber Sale (Prep101)

#### Sale Area Description:

Primary County Name (FIPS Code):

029 - Flathead \*

Sale Area Legal Description (short T & R):

T30N, R23W

Sale Area Legal Description (long):

Portions of Sections 14, 23, 26 and 35 T30N, R23W, Flathead County, State of Montana, PMM

***The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.***

Compartment (s):

17

#### Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

#### NEPA Document Name

#### Percentage of Sale Volume (CCF)

Valley Face Fuels Reduction Project (DN)

100

***The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADV115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:\_\_\_\_\_***

Briefly describe additions or changes made to project design during timber sale preparation.

The Lost Pilot Timber Sale consists of two units that were included in the Valley Face Fuels Reduction Project (EA) and (DN), but were not implemented due to funding constraints. Therefore, the Mitigation Measures for Valley Face Fuels Reduction Project have been modified to pertain to just the two Lost Pilot units. A Supplemental Information Report (SIR) was executed to allow for commercial treatment in Unit 401.

**TSPIRS INFORMATION, SALE OBJECTIVES**

**TIM, Gate 3, Create Timber Sale (Prep101)**

**Purpose (TIM -PREP101)**

**Activity**

**% of Sale Volume - CCF (TIM - PREP101)**

TC - Timber Commodity Purpose *	01 - Timber Purpose *	100
*	*	
*	*	

**SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS**

[www.fs.fed.us/im/directives/fsh/2409.18/2409.18\\_20.doc](http://www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc)

### SALVAGE SALE FUND INFORMATION

#### **TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)**

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

[https://fs.usda.gov/FSI\\_Directives/wo\\_2409.19\\_70.doc](https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc)

#### SSF Silviculture Treatment Type (Pick one)

Salvage plus Stand Improvement \*

SSF Volume (CCF):

548

62%

% of total volume

### FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

0%

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

### CRUISE INFORMATION

CRUISE:

#

16801

CHECK CRUISE:

Date of Cruise

6/1/2014

Date of Check:

Office 12/05/2014

Cruisers:

J. Vanderschaaf

K. Smiley

E. Michael(Assistant)

B. Hylton(Assistant)

Cory Anderson

Cruisers:

Method:

STR

Results:

Pass

SE%:

7.74

Method of determining ROW volume:

100% Cruise

Basis for Percent Defect:

Seen defect at time of cruising and hidden defect applied by Cruise Designer based on professional judgement.

**TOTAL CF VOLUME BY UNIT --- NCS REPORT (UC5)**

[illegible]**TOTAL SALE UNIT VOLUME (CCF)**

<b>Sawtimber</b>	
<b>565</b>	<b>565</b>
(Sheet 1)	(Sheet 1&2)

[illegible]

31581

## Non-Saw

316	316
(Sheet 1)	(Sheet 1&2)

## TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit
GF		0			
AF		0			
L	8211	82	8	9.7	24.1
S		0			
LP	23168	232	11	7.7	30.2
WP		0			
PP	3516	35	8	11.9	17.3
DF	21610	216	11	10.5	19.7
C		0			
H		0			

56505

**TOTAL VOLUME** 565 CCF

**ROUNDED VOLUME IS THE DIFFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME**

## NCS REPORT (UC5)

Non-Saw	Rounded
	0
	0
4178	42
	0
18225	182
	0
495	5
8684	87
	0
	0

31582

316 CCF

Page 5a

**VOLUME - DIRECT ENTRY  
(TIM GATE 3 - PREP 103)**

Total Sawtimber	(Sheet 1)	565	CCF
Total Saw + Non-Saw	(Sheet 1)	881	CCF

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons	
017-GF	0	0	0	0	3.1275	0	
019-AF	0	0	0	0	2.4735	0	
073-L	8	82	0	82	3.1935	262	
093-S	0	0	0	0	2.7040	0	
108-LP	11	232	0	232	3.0210	701	
119-WP	0	0	0	0	3.2230	0	
122-PP	8	35	0	35	3.2230	113	
204-DF	11	216	0	216	3.0160	651	
242-C	0	0	0	0	2.3540	0	
263-H	0	0	0	0	3.2425	0	
TOTAL =	10	565	0	565	3.0566	1727	=

Net MBF/CCF Ratio For  
Sawtimber From NCS  
Report CS1 .47244

TIM Conversion  
MBF .15460

Prep 105 Factors  
CCF .32720

NON-SAWTIMBER - CCF

Species	Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons	
GF	0		0	2.9470	0	
AF	0		0	2.3340	0	
L	42		42	3.0785	129	
S	0		0	2.6330	0	
LP	182		182	3.0200	550	
WP	0		0	3.1500	0	
PP	5		5	3.1510	16	
DF	87		87	2.7885	243	
C	0		0	2.1400	0	
H	0		0	3.0590	0	
TOTAL =	316	0	316	2.9684	938	=

Net MBF/CCF Ratio For  
Non-Sawtimber From NCS  
Report CS1 .59512

TIM Conversion  
MBF .20050

Prep 105 Factors  
CCF .33690

TOTALS =	Gross 0	Net 881	Tons 2665
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APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	881	
APPRAISAL VOLUME (CCF)	565	
CONTRACT VOLUME (TONS)	2665	(Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	3.0200	

**LOGGING METHOD SUMMARY****Sawlog Volume**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals
Acres	151	0	0	0	0	0	151	0
Volume	565	0	0	0	0	0	565	0
AEYD	718	0	0	0	0	0		
% Acres	100%	0%	0%	0%	0%	0%		
% Vol	100%	0%	0%	0%	0%	0%		

**HARVEST METHOD SUMMARY**

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes
Acres	0	0	0	0	150	0	1	0
Volume	0	0	0	0	556	0	9	0
% Acres	0%	0%	0%	0%	99%	0%	1%	0%
% Vol	0%	0%	0%	0%	98%	0%	2%	0%



CCF

TOTAL
-------

151
565

ASSIGN CONTRACT SPECIES					UTILIZATION STANDARDS				
TIM Gate 3 - Prep 105  <b>Contract Species Association</b>  Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.  All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species					TIM Gate 4 - Contract Prep Information ADVR114  Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.				
Contract Species		Full Name for Contract	Conversion Factors (only applicable to weight scale sales) (Enter from Species Volume Summary)		Minimum Specifications				
(Major Species Group)	MBF		CCF	DBH	Number of Pieces	Length	DIB	Merch. Factor	
LP	Live and Dead	Lodgepole Pine	0.1546	0.3272	6	1	8.0	5.6	10.67
& Ot	Live and Dead	DF and Other	0.1546	0.3272	7	1	8.0	5.6	10.67
					0	0	0.0	0	0
<input checked="" type="checkbox"/> ##	CS	Live and Dead	0.2005	0.3369	4	1	16.0	2.5	N/A
<input type="checkbox"/>	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

### AVERAGE EXTERNAL YARDING DISTANCE

[illegible]

### Ground Lead

450	0	VOL
	0	AVE EYD

410	0	VOL
	0	AVE EYD

HAUL

**Appraisal Point:**  
**Total Sawtimber Tributary Volume:**

## Plum Creek Evergreen

State	Montana
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*(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)*

***(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)***

**WTD HAUL MILES**

## WTD Haul Note

[illegible]

**WTD Total Paved Miles**

(Sheet 1)

12.1

**WTD Total Unpaved Miles**

(Sheet 1)

## 4.1

**WTD Total Miles**

(Sheet 1)

## 16.2

# NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: Split- Foothills and Bonner

## DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$51.69		
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	316		
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	938		
Tons / CCF for nonsawtimber material	2.97		
Total Appraised Sawlog Volume (CCF)	565		
Total One Way Weighted Haul Miles	104	114	

*Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine*

**Haul Adjustment**  
No Adjustment Needed if using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	142		
Net MBF / Acre Harvested for nonsawtimber primary product	0.6	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	5.6		0.0
Average Yarding Distance (Feet)	718	0	0
Nonsawtimber Primary Product (Tons)	422	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	1.7	0.0	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$29.75
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$0.00

**A Negative Adjustment has been Rounded to Zero**



LP Non-Saw					
Report CS 4 - Nonsaw					
Live LP Nonsaw Pri. and Sec. (CS4)	Dead LP Primary Nonsaw (CS4)	Total LP Live and Dead Pri/Sec Nonsaw	Total LP Primary Nonsaw (R101)		
18172	53	18225	6592		
<u>182</u>	<u>1</u>	<u>182</u>	<u>66</u>		
% of Tot	% of Tot				
0.9971	0.0029				
Tons/CCF	Tons/CCF				
3.0200	2.0390				
Average Tons/CCF					
<u>3.0171</u>					
Enter on Species Appraisal (Tons)					
		LPD Prim	1		
		LPL Prim	65		
		LP Sec	116		
		<u>Total</u>	<u>182</u>		
% LPD Prim. Post Material		0%	→ 0 Tons		
LPL Prim. and LP Secondary		→ 548 Tons			
Total LP Post and Pole Material		→ 548 Tons			
Entered from Appraisal CCF to Ton Worksheet					
Total Nonsaw Tons		→ 938 Tons			
Other Nonsaw Material		→ 390 Tons			

LP Non-Saw page can be used for any Species of High Value Non-Saw Products, not just Lodgepole Pine.

Nonsaw Value and Weighted Haul						
Appraisal Point (P&P Material)		St. Ignatius MT				
Species	Weighted Haul Miles					
LPL, LPD	Gravel	Paved	Total Haul		Qty (Tons)	Value/Ton
	4	81	85		548	\$60.00
Appraisal Point		Bonner MT				
Species	Weighted Haul Miles					
All Other	Gravel	Paved	Total Haul		Qty (Tons)	Value/Ton
	4	127	131		390	\$40.00
Total Nonsaw (Tons)		938				
Weighted Haul Miles		104.1		Weighted Value/Ton		\$51.69

**RIGHTS - OF - WAY***(Include Cost share Agreements)*

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

**ROAD MAINTENANCE***(From Road Maintenance Appraisal Summary, sheets are attached)***Contract Rates**

	\$/CCF	\$/TON	
<b>Total Performance Recurrent Maintenance (Part A)</b>			
C(T)5.31 - Recurrent Maintenance	\$1.22	\$0.40	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
<b>Total Performance (Part A)</b>	<b>\$1.22</b>	<b>\$0.40</b>	( A )
<b>Total Required Deposits (Recurrent and Deferred) (Part B)</b>	\$2.42	\$0.80	Recurrent
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)	\$0.00	\$0.00	Deferred
<b>C(T)5.32# - Total Required Deposits (Part B)</b>	<b>\$2.42</b>	<b>\$0.80</b>	( B )
C(T)5.314 - Total Dust Abatement (Part C)	\$0.00	\$0.00	( C )
<b>TOTAL MAINTENANCE COST (Parts A-B-C)</b>	<b>\$3.65</b>	<b>\$1.21</b>	

**Appraisal Rates***(Entries for 2400 - 17)*

<b>Total Required Deposits</b>	<b>\$ 3.78</b>	<b>CCF</b>
<b>Total Road Maintenance Costs (Performance + Deposits)</b>	<b>\$ 5.68</b>	<b>CCF</b>

*Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.  
(Attach worksheets with road costs)*



**Specified Road Construction**

**LOGGING METHOD SUMMARY**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	151	0	0	0	0	151
Volume	565	0	0	0	0	565
EYD	718	0	0	0	0	

☐ Check Box if accomplishing road construction or re-construction work under timber sale.

# **BASE RATE ADJUSTMENT FOR REGENERATION COST**

**Total Required Regeneration Costs - FACTS Line 21 Remarks**

**\$0.00**

*(Subtotal for Required Reforestation with National Program Support Cost Included)*

**Note:** Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.

In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume ( ALL Vol./Products) \_\_\_\_\_ CCF X \$0.25 (NFF)

**881**

**\$0.25**

**\$220.25**

Select Either (A) or (B)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. =

**\$0.00**

**100%**

**\$0.00**

**(d)**

(B) Salvage Sales enter % Live Sawtimber Volume;

**=**

For Partial Cut Stands Use Previously Cut Worksheet.

**Total:**

**\$220.25**

**(a)**

**% Adjustment For  
Partial Cut Stands**

**0%**

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		<u>Per CCF</u>	<u>Total</u>	<u>Per CCF</u>	<u>Total</u>
<b>WP, PP, C</b>	<b>35</b>	<b>\$5.00</b>	<b>\$175.00</b>	<b>\$5.00</b>	<b>\$175.00</b>
<b>All other species (list)</b>	<b>530</b>	<b>\$3.00</b>	<b>\$1,590.00</b>	<b>\$3.00</b>	<b>\$1,590.00</b>
<b>Nonsawtimber (all species)</b>	<b>316</b>	<b>\$1.00</b>	<b>\$316.00</b>	<b>\$1.00</b>	<b>\$316.00</b>
<b>TOTALS</b>	<b>881</b>	<b>XXXXX</b>	<b>\$2,081.00</b>	<b>XXXXX</b>	<b>\$2,081.00</b>
		<b>(b)</b>			
<b>Sawtimber (Appraisal) Volume</b>	<b>565</b>				
	<b>Weighted Average Minimum Rate</b>			<b>\$3.12</b>	

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF)

**-\$1,860.75**

**(c )**

**Note: If minimum rate total (b) => (a) no adjustment needed**

**No Adjustment**

**Adjustment To Minimum Rate:**

\$ \_\_\_\_\_ (c) / (Total Sawtimber Volume) CCF = \$ \_\_\_\_/CCF

**0**

**565**

**\$0.00**

**1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81**

*(Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))*

**2/ Minimum rate + adjustment = Base Rate**

## **FACTS INFORMATION**

(Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates =

**\$0.00**

*( The only stumpage available for KV at advertised rates is when KV is protected by base rates)*

## BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

**Appraisal Rates for 2400-17 (Applied to Sawtimber only)**

Forest Service Rate (Fund Code BDBD) **\$1,710.79** Total \$ (a) **\$3.03** CCF

Purchaser Rate (Fund Code PPPP)	<b>\$5,160.00</b>	Total\$	(b) <b>\$9.13</b>	CCF
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**TOTAL: (a) + (b) = \$12.16 CCF**

### Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	\$1.94 CCF
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(Rate Per CCF Converted to Tons for Weight Scale Contracts) **\$0.64** TON

### Lump Sum BD Deposits for Weight Scaled Sales

[illegible]

<b>Total Cost</b>	<b>\$1,710.79</b>
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(Sheet 1)

## EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

***Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.***

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Blue Wildrye	5
Mountain Brome	9
Bluebunch Wheatgrass	4
Slender Wheatgrass	6

TOTAL	24
-------	----

Type of Fertilizer	Pounds per Acre
--------------------	-----------------

0	0
---	---

TOTAL	0
-------	---

### Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

### Scarification - Landings and Skid Trails ONLY

acres @  per acre =

### Seed and Fertilizer

**If Temp Road seeding is not included in Temp Road worksheet then enter here**

Temporary Roads  feet =  acres  
 Firelines  feet =  acres

### Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer.  acres X  % =  acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer.  acres X  % =  acres

### Landings

Number of landings  X  acres per landing =  acres

TOTAL  acres

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
Acres	151	0	0	0	0	0

**Seed mix, fert., labor costs:**

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>		<u>\$ per Acre</u>
Blue Wildrye	5	X	\$10.00	=	\$50.00
Mountain Brome	9	X	\$10.00	=	\$90.00
Bluebunch Wheatgrass	4	X	\$10.00	=	\$40.00
Slender Wheatgrass	6	X	\$10.00	=	\$60.00
0	0	X		=	\$0.00
Fertilizer	0	X		=	\$0.00
*Labor per Acre				=	\$19.98

\$ per acre **\$259.98**

**Total cost for**

SEEDING	<b>10.0</b>	acres	X	<b>\$240.00</b>	\$/acre =	<b>\$2,400.00</b>
FERTILIZER	<b>10.0</b>	acres	X	<b>\$0.00</b>	\$/acre =	<b>\$0.00</b>
LABOR	<b>10.0</b>	acres	X	<b>\$19.98</b>	\$/acre =	<b>\$199.80</b>
SCARIFICATION						<b>\$0.00</b>
<b>TOTAL</b>						<b>\$2,599.80</b>

**\$2,599.80** COST / **565** CCF = **\$4.60** PER CCF

\* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

**Document Rational for Changes to Standard Seed Mix.**

North Valley Ag provided a price quote of \$10.00/lb or \$500.00/50lbs on 1/14/16

**OTHER CONTRACTUAL REQUIREMENTS (A)**

**Other - Include Contractual Obligations Requiring Performance Bond Coverage  
(Road closure, Barriers, Trail Restoration, etc.)**

ITEM	#	X	COST	=	TOT COST
Earth Berm Removal	1	X	\$150.00 per Berm	=	\$150.00
		X		=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00

**\$150.00** Cost / **565** CCF = **\$0.27** CCF

**Subtotal Other Contractual Requirements ( A )** = **\$0.27** CCF

## OTHER CONTRACTUAL REQUIREMENTS ( B )

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in K-G.2.7# under Technical Spraying Specifications.

<u>Herbicide</u> (Common name)	<u>Application Rate oz</u> per acre	<u>Cost</u> Per oz	<u>Cost per</u> <u>UOM</u>
2,4,D Amine	32	\$0.00	\$0.00 mile
Clopyralid(Transline)	11	\$2.15	\$85.14 mile
Picloram(Tordon)	32	\$0.00	\$0.00 mile
Aminopyralid(Milestone)	6	\$3.47	\$74.95 mile

Price quote for herbicide obtained from: North Valley Ag 1/14/16

<u>Sufactant &amp; Dye</u>	
.32 oz/gal H2O	\$0.68/acre = \$2.45/ mile
<u>Labor Rate</u>	\$40/ hour (2 Miles per hour)

Miles of road to be sprayed: 4.31 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
2,4,D Amine		\$0.00	\$0.00
Clopyralid(Transline)	0.96	\$85.14	\$81.73
Picloram(Tordon)		\$0.00	\$0.00
Aminopyralid(Milestone)	3.35	\$74.95	\$251.08

Sufactant & dye:	4.31	\$2.45	\$10.56
Application Cost (Labor):	4.31	\$20.00	\$86.20
Misc. Expenses:	4.31	\$32.00	\$137.92

**TOTAL WEED TREATMENT:** \$567.49 cost / 565 CCF = \$1.00 CCF

### ON-SITE EQUIPMENT WASHING K-G.3.5.1#

**Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA**

Number (pieces of equipment)		Number of seasons	
Cleaning costs per piece	\$0.00	CCF	565

**Total cost for washing equipment per CCF** \$0.00 CCF

**Subtotal Other Contractual Requirements (B)** \$1.00 CCF

**MISCELLANEOUS CONTRACTUAL REQUIREMENTS ( C )**

*(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)*

**Stump Shoveling** (Not required under normal operating/winter conditions. Include if clippers not allowed)

# stumps X  per stump =

Cost /  CCF =  CCF

**Snow Plowing**

# miles X  per mile X  # plowings =

Cost /  CCF =  CCF

**Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)**

ITEM	#	X	COST		TOT COST
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>
XXX	<input type="text" value=""/>	X	<input type="text" value="\$0.00"/> per XXX	=	<input type="text" value="\$0.00"/>

Cost /  CCF =  CCF

**Subtotal Miscellaneous Contractual Requirements ( C )**  CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$1.27"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$12.16"/> CCF
<b>Total Environmental Protection Cost</b>	<b><input type="text" value="\$13.43"/> CCF</b>

### TEMPORARY ROADS

0.55 Miles

If you have more than 5  
Temporary Roads, you can  
lump Roads together.

Temporary Road #1

Unit 20, Rd. 11241B, Existing Template

Cost \$

\$2,486.00

Temporary Road #2

0

Cost \$

\$0.00

Temporary Road #3

0

Cost \$

\$0.00

Temporary Road #4

0

Cost \$

\$0.00

Temporary Road #5

0

Cost \$

\$0.00

**TOTAL TEMPORARY ROAD COST =**  
**(Total Temporary Development Costs)**

**\$2,486.00**

**\$2,486.00** Cost \$ / **565** CCF = **\$4.40** CCF

Cost Guide for Temporary Roads

[http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5279261.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf)

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

\$0.00

### UNUSUAL CONDITION ADJUSTMENTS

Cost \$ / 565 CCF = \$0.00 CCF

### TEMPORARY ROAD COSTS #1

Unit or Road Number: Unit 20, Rd. 11241B, Existing Template

**Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104**

Average Side Slope 0 %  
Length 2900 Feet 0.55 Miles  
Volume per Acre 0

**(Note: Do not adjust project costs for inflation or deflation)**

Clearing and Grubbing (Table T-1)	=	Costs Per Mile \$3,660.00 Mile
Excavation (Table T-1)	=	Mile
Seeding (Table T-1)	=	Mile
Obliteration (Table T-1)	=	Mile

**Total Unit Cost Per Mile = \$3,660.00**

**Basic Cost Total X Length = \$2,013.00**

Drainage Structures

3 Dips	X	\$150.00	=	\$450.00
18" CMP	X		=	\$0.00
other CMP	X		=	\$0.00

**Drainage Cost Total = \$450.00**

Other Requirements

###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00

**Other Cost Total = \$0.00**

**Subtotal (Basic + Drainage + Other) = \$2,463.00**

**Mobilization (Table T-4) 7% = \$172.00**

**Subtotal = \$2,635.00**

**TOTAL COST \$2,635.00 / 1.06 Profit = \$2,486.00**

**Total Cost to be entered on 2400-17**

## TIMBER SALE CONTRACT INFORMATION

### Tim Gate 4 - Contract Preparation information (ADVR114)

#### Normal Operating Season

(ADVR114, Page 1)

			Units	
First Period :	1-Jul	to	30-Sep	ALL
Second Period:		to		

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

#### Periodic Payment Schedule

Approximate Award Date: 03/10/16 mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: N/A mm/dd/yy  
(ENTER N/A if no roads)

Contract Termination Date: 09/30/17 mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: 12/19/16 \* This Date is for Information Only. TIM will Calculate Official Date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

#### FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / w  
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

( A )	Total Volume =	881	CCF
( B )	Sale Duration =	1.6	YEARS (Calculated from Award Date to Termination Date)
( C )	Operating Days in Sale =	192	(Sale Duration X 120 days.)
( D )	CCF Per Day =	4.6	(Total Volume / Operating Days in Sale)
( E )	Men Needed to Log Sale =	0.9	(CCF Per Day / 5 CCF)
( F )	Liability =	\$17.80	(Wage Rate AD-C)
		12	(hrs/shift) X 5 (# shifts) X
		0.9	(# men) =
			TOTAL LIABILITY = \$961

[http://www.fs.fed.us/r1/fire/nrcg/Committees/business\\_committee.htm](http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm)

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL = \$1,000

***When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)***

**MINIMUM PERFORMANCE BOND:**

**TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)**

The greater of (A) or (B) rounded **UP** to nearest \$100.00 if sale is under \$10,000.00 stumpage value and up to nearest \$1,000.00 if sale is over \$10,000 stumpage value.

(A) Advertised Value \$20,944 X 10% = \$2,094

Rounded 10% Advertised Value = **\$3,000** (A)

**(B)** Purchaser requirements (Performance) - Based on number of seasons.

Road Maintenance =	\$1.22	CCF
Erosion =	\$4.60	CCF
Brush Disposal =	\$9.13	CCF
Other =	\$1.27	CCF
Total =	\$16.22	CCF

Total Purchaser Requirements = **\$16.22** X Tot Vol **565** CCF = **\$9,165** Tot Value

divided by **2** # Seasons = **\$4,583** Performance Bond Value

Rounded Performance Bond Value = **\$5,000** (B)

## MINIMUM PERFORMANCE BOND

**\$5,000**

## 2400-17 Input Sheet for R1 TIMBER SALE APPRAISAL

### Create New Sale

Sale Name	Lost Pilot Timber Sale *
Sale No	16801 *
Forest No	10 - Flathead
District No	08 - Tally Lake

Size Class

5 - \$10,000.01 thru \$100,000 \*

Sale Status

7030 - Pending 14i SBO \*

SBA Code

N - No \*

Appraisal Type

TE - Transaction Evidence \*

### Basic Information

State	MT - Montana *
County Code	029 - Flathead *
Legal Description	T30N, R23W *
Appraisal Date	2/2/2016 *
Contract Date	
Term Date	9/30/2017 *
Bid Date	3/8/2016
Modified By	
Modified Date	

Salvage Code

2 - Salv Sale or Salv Component in Regular Program \*

Pricing Method

FLAT - Flat Rate \*

SAI Collection

\$0.00

Contract No

Contract Form

6 - Contract Form 2400-6 \*

CO Authority

S - Forest Supervisor \*

Sale Method

S - Sealed Bids \*

Regulation Code

12 - 36 CFR 223.86 \*

### Area & Volume

Total Sale Area Acres	250
Clearcut Acres	0
Seed Tree Acres	0
Right Of Way Acres	1
Final Seed Tree Acres	0
Shelter Wood Acres	0
Cedar Poles: Volume	
Count	
Length	
Percent Salvage	62%

Cut Acres	151
Clearcut Volume	0
Seed Tree Volume	0
Right Of Way Volume	9
Final Seed Tree Volume	0
Shelter Wood Volume	0

### Costs / CCF

Slash FS	\$3.03
Slash Total	\$12.16
Erosion	\$4.60
Misc	\$1.27
Temp Roads	\$4.40
Other Temp Dev	\$0.00
Unusual Cond Adj	\$0.00
Road Maint Dep	\$3.78
Road Maint Total	\$5.68
Non-sawtimber Adj	\$0.00

Comments

Includes other (A), weeds (B), Misc (C
Includes Tons/CCF Adjustment

<u>Timber Property Value</u>	<b>\$0.00</b>
------------------------------	---------------

## Roads

Construction Miles	0.0
Reconstruction Miles	0.0
Temp Road Const Miles	0.6
Total Haul Miles	16
Appraisal Point	Plum Creek Evergreen
Contributed Funds	\$0

Construction Costs	\$0
Reconstruction Costs	\$0
Temp Road Construction Costs	\$2,486
Paved Miles	12.1
State	Montana

## Logging Systems

Logging Systems	Acres	CCF	Average External Yarding Distance(ft)
<u>Tractor</u>	151	565	718
<u>Horse</u>	0	0	0
<u>Ground Lead</u>	0	0	0
<u>Skyline</u>	0	0	0
<u>Heli</u>	0	0	0
<u>Swing</u>	0	0	*Swing A
<u>Forwarder</u>	0	0	0

\*Swing Acres are not included in Total Logging System Acres

## Species/Products

[illegible]

**\$20,944.15**